

Commissioning Best Practices



Agenda

Agenda:

- Introductions
- History of Commissioning
- Commissioning Flow
- Commissioning Timeline
- Why Commissioning
- Successful/Unsuccessful Cx Analysis
- Questions & Discussion



Introductions

Commissioning Experts

Bill Thompson

- MEP Commissioning
- Professional Engineer (PE)

Joe Bedford

- Adolfsen and Peterson (AP)
- MEP Manager
- Professional Engineer (PE)
- USGBC - LEED AP

Karen Peters

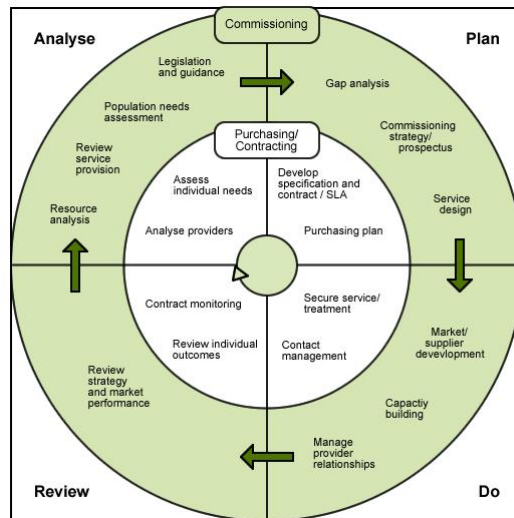
- Siemens Industry, Inc.
- Engineering Manager



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Commissioning Flow

- Two Concurrent Path's
- Review> Analyze>Plan>Do
- Rinse and repeat



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Construction/Commissioning Timeline

Plan/Design

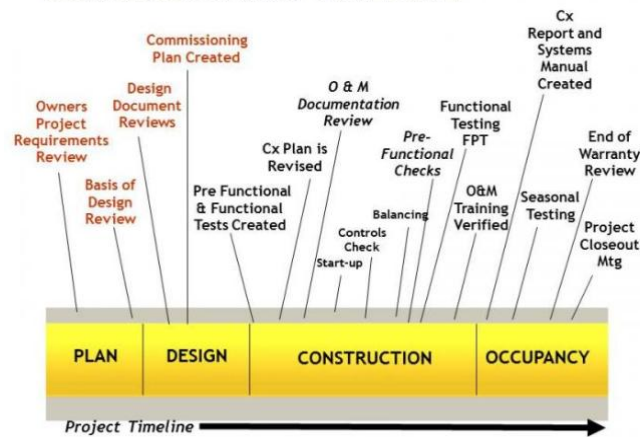


2. Construction



3. Commissioning and Warranty

COMMISSIONING TIMELINE



Why Commissioning?

- Improves Energy Efficiency
- Ensures the owner is getting what they paid for
- Lower total cost of ownership
- Performance Benchmark Data
- Single Source Accountability
- Project Documentation
- LEED Certification
- Improved Working Environment

Successful/Unsuccessful Activities

Good

- Improves Energy Efficiency
- Ensures the owner is getting what they paid for
- Lower total cost of ownership
- Performance Benchmark Data
- Single Source Accountability
- Project Documentation
- LEED Certification
- Improved Working Environment

Bad

- CxA brought on too late
- No Buy in to Process
- Lack of Ownership/Accountability
- Pointing Fingers
- Schedule Compression
 - OT/Longer Hours/Stress
- Lack of team effort/attitude

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Questions and Discussion

Thank you!

